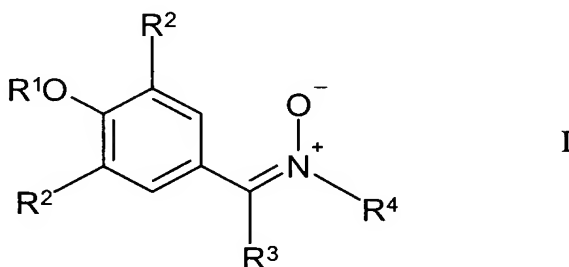


AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

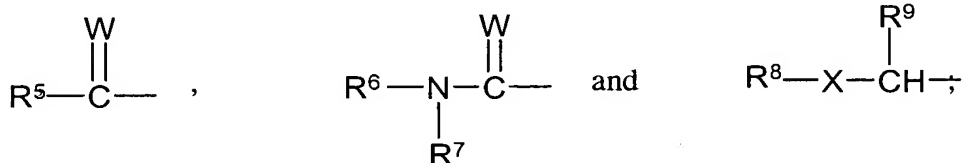
LISTING OF CLAIMS:

1. A method for treating neuropathic pain [is] in a patient comprising administering an effective neuropathic pain-treating dose of a pharmaceutical composition comprising a compound of formula I:

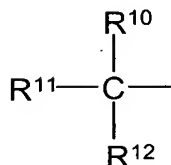


wherein

R¹ is selected from the group consisting of hydrogen, alkyl



each R² is independently selected from a group of the formula:



R³ is selected from the group consisting of hydrogen, alkyl, cycloalkyl and aryl;

R⁴ is selected from the group consisting of alkyl, substituted alkyl, alkenyl, substituted alkenyl, alkynyl, substituted alkynyl, cycloalkyl, substituted cycloalkyl, cycloalkenyl and substituted cycloalkenyl;

R⁵ is selected from the group consisting of alkyl, substituted alkyl, alkenyl, substituted alkenyl, alkynyl, substituted alkynyl, cycloalkyl, substituted cycloalkyl, cycloalkenyl and substituted cycloalkenyl;

R⁶ and R⁷ are independently selected from the group consisting of hydrogen, alkyl, substituted alkyl, alkenyl, substituted alkenyl, alkynyl, substituted alkynyl, cycloalkyl, substituted cycloalkyl, cycloalkenyl and substituted cycloalkenyl; or R⁶ and R⁷ can be joined to form an alkylene or substituted alkylene group having from 2 to 10 carbon atoms;

R⁸ is selected from the group consisting of alkyl, substituted alkyl, alkenyl, substituted alkenyl, alkynyl, substituted alkynyl, cycloalkyl, substituted cycloalkyl, cycloalkenyl and substituted cycloalkenyl;

R⁹ is selected from the group consisting of hydrogen, alkyl, substituted alkyl, alkenyl, substituted alkenyl, alkynyl, substituted alkynyl, cycloalkyl, substituted cycloalkyl,

cycloalkenyl and substituted cycloalkenyl; or R⁸ and R⁹ can be joined to form an alkylene or substituted alkylene group having from 2 to 10 carbon atoms;

R¹⁰ is selected from the group consisting of hydrogen, lower alkyl and lower cycloalkyl; or R¹ and R¹⁰ can be joined to form an alkylene, substituted alkylene, -C(O)- -S(O)- or -S(O)₂- group;

R¹¹ and R¹² are independently selected from the group consisting of lower alkyl and lower cycloalkyl; or R¹¹ and R¹² can be joined to form an alkylene group having from 2 to 10 carbon atoms;

X is oxygen, sulfur, -S(O)- or -S(O)₂-; and

W is oxygen or sulfur; and pharmaceutically-acceptable salts thereof.

2. The method of Claim 1 wherein W is oxygen.
3. The method of Claim 2 wherein R³ is hydrogen or lower alkyl.
4. The method of Claim 3 wherein R³ is hydrogen.
5. The method of Claim 4 wherein R⁴ is selected from the group consisting of alkyl, substituted alkyl and cycloalkyl.
6. The method of Claim 5 wherein R⁴ is selected from the group consisting of methyl, *n*-propyl, isopropyl, 1-hydroxy-2-methylprop-2-yl, *n*-butyl, *tert*-butyl, 3-thiomethylpropyl, 3-(thiomethoxy)but-1-yl, cyclohexyl, 4-trifluoromethylbenzyl and 3,4,5-trimethoxybenzyl.
7. The method of Claim 4 wherein R⁵ is selected from the group consisting of

alkyl and cycloalkyl.

8. The method of Claim 7 wherein R⁵ is selected from the group consisting of methyl, ethyl, *n*-propyl, isopropyl and *n*-butyl.

9. The method of Claim 4 wherein R⁷ is hydrogen and R⁶ is selected from the group consisting of alkyl and alkoxycarbonylalkyl.

10. The method of Claim 9 wherein R⁶ groups is selected from the group consisting of ethyl, *n*-propyl, isopropyl, *n*-butyl, ethoxycarbonylmethyl and 2-(ethoxycarbonyl)ethyl.

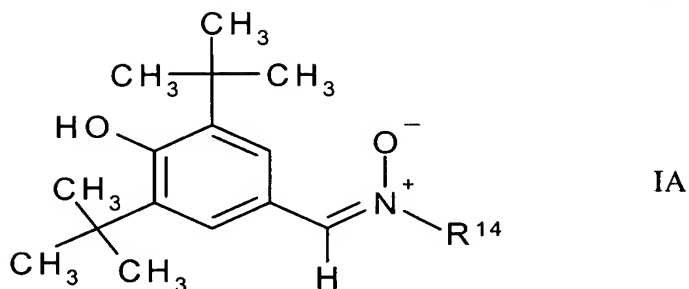
11. The method of Claim 4 wherein X is oxygen; R⁹ is hydrogen; and R⁸ is alkyl or alkoxyalkyl.

12. The method of Claim 11 wherein R⁸ is selected from the group consisting of methyl and methoxyethyl.

13. The method of Claim 4 wherein R¹⁰, R¹¹ and R¹² are independently lower alkyl.

14. The method of Claim 13 wherein R¹⁰, R¹¹ and R¹² are methyl.

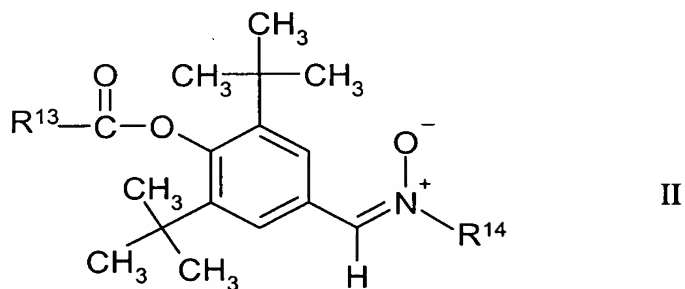
15. The method of Claim 1 wherein the compound is of formula IA:



wherein

R^{14} is selected from the group consisting of alkyl, substituted alkyl, cycloalkyl and substituted cycloalkyl.

16. The method of Claim 15 wherein R^{14} is an alkyl of from 3 to 8 carbon atoms.
17. The method of Claim 16 wherein R^{14} is *tert*-butyl.
18. The method of Claim 16 wherein R^{14} is *tert*-octyl.
19. The method of Claim 1 wherein the compound is of formula II:



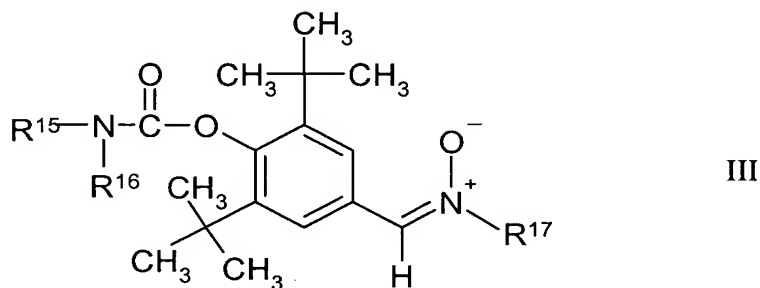
wherein

R^{13} is selected from the group consisting of alkyl, substituted alkyl, cycloalkyl and substituted cycloalkyl;

R^{14} is selected from the group consisting of alkyl, substituted alkyl, cycloalkyl and substituted cycloalkyl; and pharmaceutically-acceptable salts thereof.

20. The method of Claim 15 wherein R^{13} is lower alkyl and R^{14} is selected from the group consisting of alkyl, substituted alkyl and cycloalkyl.

21. The method of Claim 1 wherein the compound is of formula III:



wherein

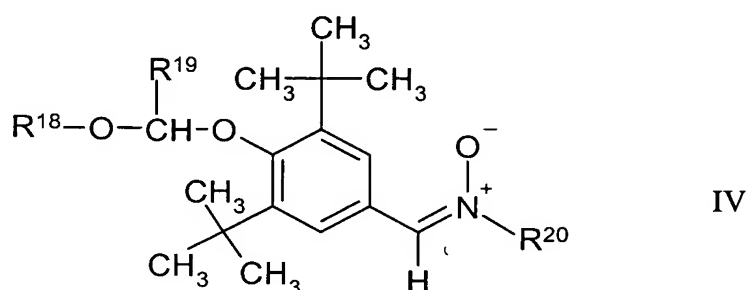
R^{15} and R^{16} are independently selected from the group consisting of hydrogen, alkyl, substituted alkyl, cycloalkyl, substituted cycloalkyl; or R^{15} and R^{16} can be joined to form an alkylene or substituted alkylene group having from 2 to 10 carbon atoms;

R^{17} is selected from the group consisting of alkyl, substituted alkyl, cycloalkyl and

substituted cycloalkyl; and pharmaceutically-acceptable salts thereof.

22. The method of Claim 21 wherein R^{16} is hydrogen and R^{15} is selected from the group consisting of alkyl and alkoxycarbonylalkyl.

23. The method of Claim 1 wherein the compound is of formula IV:



wherein

R^{18} is selected from the group consisting of alkyl, substituted alkyl, cycloalkyl and substituted cycloalkyl;

R^{19} is selected from the group consisting of hydrogen, alkyl, substituted alkyl, cycloalkyl and substituted cycloalkyl; or R^{18} and R^{19} can be joined to form an alkylene or substituted alkylene group having from 2 to 10 carbon atoms;

R^{20} is selected from the group consisting of alkyl, substituted alkyl, cycloalkyl and substituted cycloalkyl; and pharmaceutically-acceptable salts thereof.

24. The method of Claim 23 wherein R^{19} is hydrogen and R^{18} is alkyl or alkoxyalkyl.

25. The method of Claim 24 wherein R^{18} is methyl or methoxyethyl.

26. The method of Claim 23 wherein R²⁰ is selected from the group consisting of alkyl, substituted alkyl and cycloalkyl.

27. The method of Claim 26 wherein R²⁰ is selected from the group consisting of methyl, *n*-propyl, isopropyl, 1-hydroxy-2-methylprop-2-yl, *n*-butyl, *tert*-butyl, 3-thiomethylpropyl, 3-(thiomethoxy)but-1-yl, cyclohexyl, 4-trifluoromethylbenzyl and 3,4,5-trimethoxybenzyl.

28. The method of Claim 1 wherein the compound is selected from the group consisting of:

α -(4-acetoxy-3,5-di-*tert*-butylphenyl)-*N-tert*-butylnitron

α -(4-isobutanoyloxy-3,5-di-*tert*-butylphenyl)-*N-tert*-butylnitron

α -(4-*n*-butanoyloxy-3,5-di-*tert*-butylphenyl)-*N-tert*-butylnitron

α -(4-acetoxy-3,5-di-*tert*-butylphenyl)-*N*-isopropylnitron

α -(4-acetoxy-3,5-di-*tert*-butylphenyl)-*N*-1-hydroxy-2-methylprop-2-yl nitron

α -(4-*n*-pentanoyloxy-3,5-di-*tert*-butylphenyl)-*N-tert*-butylnitron

α -(4-acetoxy-3,5-di-*tert*-butylphenyl)-*N*-4-trifluoromethylbenzylnitron

α -(4-propionyloxy-3,5-di-*tert*-butylphenyl)-*N-tert*-butylnitron

α -(4-acetoxy-3,5-di-*tert*-butylphenyl)-*N*-methylnitron

α -(4-acetoxy-3,5-di-*tert*-butylphenyl)-*N*-3,4,5-trimethoxybenzyl nitrone

α -[4-(ethylaminocarbonyloxy)-3,5-di-*tert*-butylphenyl]-*N-tert*-butyl nitrone

α -[4-(*n*-propylaminocarbonyloxy)-3,5-di-*tert*-butylphenyl]-*N-tert*-butyl nitrone

α -[4-(*n*-butylaminocarbonyloxy)-3,5-di-*tert*-butylphenyl]-*N-tert*-butyl nitrone

α -[4-(2-ethoxycarbonyl)ethylaminocarbonyloxy)-3,5-di-*tert*-butylphenyl]-*N-tert*-butyl nitrone

α -[4-(2-ethoxycarbonyl)methylaminocarbonyloxy)-3,5-di-*tert*-butylphenyl]-*N-tert*-butyl nitrone

α -(4-methoxymethoxy-3,5-di-*tert*-butylphenyl)-*N-tert*-butyl nitrone

α -[4-(2-methoxy)ethoxymethoxy-3,5-di-*tert*-butylphenyl]-*N-tert*-butyl nitrone

α -(4-methoxymethoxy-3,5-di-*tert*-butylphenyl)-*N*-3-(thiomethoxy)but-1-yl nitrone

α -(4-methoxymethoxy-3,5-di-*tert*-butylphenyl)-*N*-3-thiomethoxypropyl nitrone

α -(4-hydroxy-3,5-di-*tert*-butylphenyl)-*N-tert*-butyl nitrone

α -(4-hydroxy-3,5-di-*tert*-butylphenyl)-*N-tert*-octyl nitrone

α -(4-hydroxy-3,5-dimethoxyphenyl)-*N-tert*-butyl nitrone

α -(4-hydroxy-3,5-dimethylphenyl)-N-hexylnitrone

α -(4-hydroxy-3,5-dimethylphenyl)-N-tert-butylnitrone

α -(4-hydroxy-3,5-di-tert-butylphenyl)-N-(1,1-dimethyl-2-hydroxyethyl)nitrone

α -(4-hydroxy-3,5-di-tert-butylphenyl)-N-(1,1-dimethylpropyl)nitrone

α -(4-hydroxy-3,5-di-tert-butylphenyl)-N-(1-methylethyl)nitrone

α -(4-hydroxy-3,5-di-tert-butylphenyl)-N-benzylnitrone

α -(4-methoxy-3,5-di-*tert*-butylphenyl)-*N-tert*-butylnitrone

and pharmaceutically acceptable salts thereof.

29. The method of Claim 1 wherein the compound is α -(4-hydroxy-3,5-di-*tert*-butylphenyl)-*N-tert*-butylnitrone

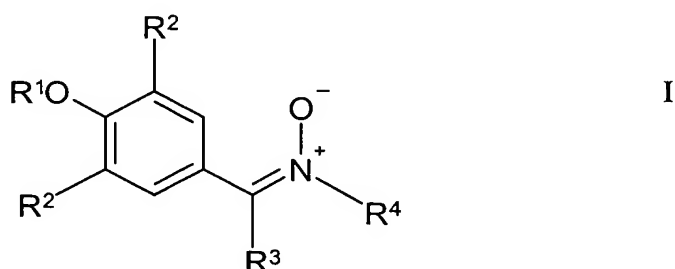
30. The method of Claim 1 wherein the compound is α -(4-hydroxy-3,5-di-*tert*-butylphenyl)-*N-tert*-octylnitrone

31. The method of Claim 1 wherein the compound is α -(4-acetoxy-3,5-di-*tert*-butylphenyl)-*N-tert*-octylnitrone

32. The method of Claim 1 wherein the compound is α -(4-*n*-butanoyloxy-3,5-di-

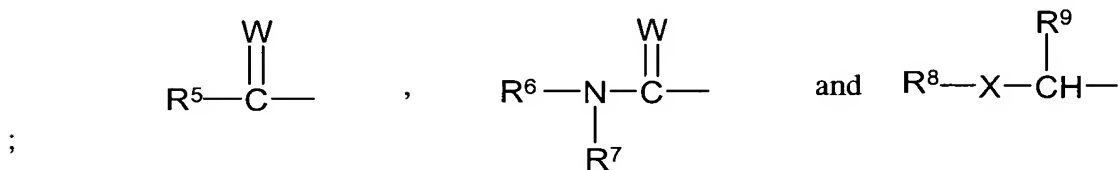
tert-butylphenyl)-*N-tert*-butylnitrone

33. A pharmaceutical composition for the treatment of neuropathic pain comprising a pharmaceutically acceptable carrier and a pharmaceutically effective neuropathic pain-treating amount of a compound of formula I:

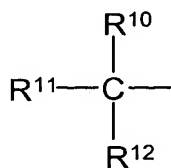


wherein

R^1 is selected from the group consisting of hydrogen:



each R^2 is independently selected from a group of the formula:



R³ is selected from the group consisting of hydrogen, alkyl, cycloalkyl and aryl;

R⁴ is selected from the group consisting of alkyl, substituted alkyl, alkenyl, substituted alkenyl, alkynyl, substituted alkynyl, cycloalkyl, substituted cycloalkyl, cycloalkenyl and substituted cycloalkenyl;

R⁵ is selected from the group consisting of alkyl, substituted alkyl, alkenyl, substituted alkenyl, alkynyl, substituted alkynyl, cycloalkyl, substituted cycloalkyl, cycloalkenyl and substituted cycloalkenyl;

R⁶ and R⁷ are independently selected from the group consisting of hydrogen, alkyl, substituted alkyl, alkenyl, substituted alkenyl, alkynyl, substituted alkynyl, cycloalkyl, substituted cycloalkyl, cycloalkenyl and substituted cycloalkenyl; or R⁶ and R⁷ can be joined to form an alkylene or substituted alkylene group having from 2 to 10 carbon atoms;

R⁸ is selected from the group consisting of alkyl, substituted alkyl, alkenyl, substituted alkenyl, alkynyl, substituted alkynyl, cycloalkyl, substituted cycloalkyl, cycloalkenyl and substituted cycloalkenyl;

R⁹ is selected from the group consisting of hydrogen, alkyl, substituted alkyl, alkenyl, substituted alkenyl, alkynyl, substituted alkynyl, cycloalkyl, substituted cycloalkyl, cycloalkenyl and substituted cycloalkenyl; or R⁸ and R⁹ can be joined to form an alkylene or substituted alkylene group having from 2 to 10 carbon atoms;

R¹⁰ is selected from the group consisting of hydrogen, lower alkyl and lower cycloalkyl; or R¹ and R¹⁰ can be joined to form an alkylene, substituted alkylene, -C(O)-

S(O)- or -S(O)₂- group;

R¹¹ and R¹² are independently selected from the group consisting of lower alkyl and lower cycloalkyl; or R¹¹ and R¹² can be joined to form an alkylene group having from 2 to 10 carbon atoms;

X is oxygen, sulfur, -S(O)- or -S(O)₂-; and

W is oxygen or sulfur; and pharmaceutically-acceptable salts thereof.

34. The pharmaceutical composition of Claim 33 wherein the compound is α -(4-hydroxy-3,5-di-*tert*-butylphenyl)-*N-tert*-butylnitrone.

35. The pharmaceutical composition of Claim 33 wherein the compound is α -(4-hydroxy-3,5-di-*tert*-butylphenyl)-*N-tert*-octylnitrone.